

Alexandra S Dubrovina

List of Publications by Year in descending order

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48
papers

1,649
citations

236833

25
h-index

302012

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49
all docs

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docs citations

49
times ranked

1323
citing authors

#	ARTICLE	IF	CITATIONS
1	The rolB gene-induced overproduction of resveratrol in <i>Vitis amurensis</i> transformed cells. <i>Journal of Biotechnology</i> , 2007, 128, 681-692.	1.9	160
2	Exogenous RNAs for Gene Regulation and Plant Resistance. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2282.	1.8	135
3	Regulation of stilbene biosynthesis in plants. <i>Planta</i> , 2017, 246, 597-623.	1.6	112
4	VaCPK20, a calcium-dependent protein kinase gene of wild grapevine <i>Vitis amurensis</i> Rupr., mediates cold and drought stress tolerance. <i>Journal of Plant Physiology</i> , 2015, 185, 1-12.	1.6	82
5	Resveratrol content and expression of phenylalanine ammonia-lyase and stilbene synthase genes in rolC transgenic cell cultures of <i>Vitis amurensis</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 727-736.	1.7	61
6	Phenylalanine ammonia-lyase and stilbene synthase gene expression in rolB transgenic cell cultures of <i>Vitis amurensis</i> . <i>Applied Microbiology and Biotechnology</i> , 2009, 82, 647-655.	1.7	60
7	Expression of calcium-dependent protein kinase (CDPK) genes under abiotic stress conditions in wild-growing grapevine <i>Vitis amurensis</i> . <i>Journal of Plant Physiology</i> , 2013, 170, 1491-1500.	1.6	58
8	Age-associated alterations in the somatic mutation and DNA methylation levels in plants. <i>Plant Biology</i> , 2016, 18, 185-196.	1.8	58
9	Induction of Transgene Suppression in Plants via External Application of Synthetic dsRNA. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1585.	1.8	51
10	Structure and expression profiling of a novel calcium-dependent protein kinase gene, CDPK3a, in leaves, stems, grapes, and cell cultures of wild-growing grapevine <i>Vitis amurensis</i> Rupr.. <i>Plant Cell Reports</i> , 2013, 32, 431-442.	2.8	49
11	Stilbene accumulation and expression of stilbene biosynthesis pathway genes in wild grapevine <i>Vitis amurensis</i> Rupr.. <i>Planta</i> , 2017, 245, 151-159.	1.6	48
12	The rolC gene induces expression of a pathogenesis-related Î²-1,3-glucanase in transformed ginseng cells. <i>Phytochemistry</i> , 2006, 67, 2225-2231.	1.4	46
13	Enhanced resveratrol accumulation in rolB transgenic cultures of <i>Vitis amurensis</i> correlates with unusual changes in CDPK gene expression. <i>Journal of Plant Physiology</i> , 2009, 166, 1194-1206.	1.6	45
14	Age-associated alterations in DNA methylation and expression of methyltransferase and demethylase genes in <i>Arabidopsis thaliana</i> . <i>Biologia Plantarum</i> , 2016, 60, 628-634.	1.9	44
15	VaCPK20 gene overexpression significantly increased resveratrol content and expression of stilbene synthase genes in cell cultures of <i>Vitis amurensis</i> Rupr. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5541-5549.	1.7	40
16	The calcium-dependent protein kinase gene VaCPK29 is involved in grapevine responses to heat and osmotic stresses. <i>Plant Growth Regulation</i> , 2017, 82, 79-89.	1.8	37
17	The Role of Canonical and Noncanonical Pre-mRNA Splicing in Plant Stress Responses. <i>BioMed Research International</i> , 2013, 2013, 1-14.	0.9	36
18	The methylation status of plant genomic DNA influences PCR efficiency. <i>Journal of Plant Physiology</i> , 2015, 175, 59-67.	1.6	36

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19	Stilbene accumulation in cell cultures of <i>Vitis amurensis</i> Rupr. overexpressing VaSTS1, VaSTS2, and VaSTS7 genes. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 125, 329-339.	1.2	32
20	Calcium-dependent mechanism of somatic embryogenesis in <i>Panax ginseng</i> cell cultures expressing the rolC oncogene. <i>Molecular Biology</i> , 2008, 42, 243-252.	0.4	30
21	The Grapevine Calmodulin-Like Protein Gene CML21 Is Regulated by Alternative Splicing and Involved in Abiotic Stress Response. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7939.	1.8	29
22	Effect of long-term cultivation on resveratrol accumulation in a high-producing cell culture of <i>Vitis amurensis</i> . <i>Acta Physiologiae Plantarum</i> , 2012, 34, 1101-1106.	1.0	28
23	The Effect of Abiotic Stress Conditions on Expression of Calmodulin (CaM) and Calmodulin-Like (CML) Genes in Wild-Growing Grapevine <i>Vitis amurensis</i> . <i>Plants</i> , 2019, 8, 602.	1.6	28
24	A new method for analyzing gene expression based on frequency analysis of RT-PCR products obtained with degenerate primers. <i>Acta Physiologiae Plantarum</i> , 2010, 32, 495-502.	1.0	26
25	Regulation of Resveratrol Production in <i>Vitis amurensis</i> Cell Cultures by Calcium-Dependent Protein Kinases. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 1460-1476.	1.4	25
26	Stilbene biosynthesis in the needles of spruce <i>Picea jezoensis</i> . <i>Phytochemistry</i> , 2016, 131, 57-67.	1.4	25
27	The effect of salicylic acid on phenylalanine ammonia-lyase and stilbene synthase gene expression in <i>Vitis amurensis</i> Cell Culture. <i>Russian Journal of Plant Physiology</i> , 2010, 57, 415-421.	0.5	21
28	Physiological Conditions and dsRNA Application Approaches for Exogenously induced RNA Interference in <i>Arabidopsis thaliana</i> . <i>Plants</i> , 2021, 10, 264.	1.6	19
29	External dsRNA Downregulates Anthocyanin Biosynthesis-Related Genes and Affects Anthocyanin Accumulation in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 6749.	1.8	19
30	VaCPK21, a calcium-dependent protein kinase gene of wild grapevine <i>Vitis amurensis</i> Rupr., is involved in grape response to salt stress. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 124, 137-150.	1.2	18
31	The Influence of the Grapevine Bacterial and Fungal Endophytes on Biomass Accumulation and Stilbene Production by the In Vitro Cultivated Cells of <i>Vitis amurensis</i> Rupr.. <i>Plants</i> , 2021, 10, 1276.	1.6	18
32	Transgene suppression in plants by foliar application of in vitro-synthesized small interfering RNAs. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 2125-2135.	1.7	17
33	DNA mutagenesis in 2- and 20-yr-old <i>Panax ginseng</i> cell cultures. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2013, 49, 175-182.	0.9	16
34	Influence of overexpression of the true and false alternative transcripts of calcium-dependent protein kinase CPK9 and CPK3a genes on the growth, stress tolerance, and resveratrol content in <i>Vitis amurensis</i> cell cultures. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	16
35	35S promoter-driven transgenes are variably expressed in different organs of <i>Arabidopsis thaliana</i> and in response to abiotic stress. <i>Molecular Biology Reports</i> , 2021, 48, 2235-2241.	1.0	16
36	Action of ultraviolet-C radiation and p-coumaric acid on stilbene accumulation and expression of stilbene biosynthesis-related genes in the grapevine <i>Vitis amurensis</i> Rupr.. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	15

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37	Effect of 5-azacytidine induced DNA demethylation on abiotic stress tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Protection Science</i> , 2019, 55, 73-80.	0.7	14
38	Overexpression of stilbene synthase genes to modulate the properties of plants and plant cell cultures. <i>Biotechnology and Applied Biochemistry</i> , 2021, 68, 13-19.	1.4	11
39	Age-associated alterations in the somatic mutation level in <i>Arabidopsis thaliana</i> . <i>Plant Growth Regulation</i> , 2015, 75, 493-501.	1.8	10
40	True and false alternative transcripts of calcium-dependent protein kinase CPK9 and CPK3a genes in <i>Vitis amurensis</i> . <i>Acta Physiologiae Plantarum</i> , 2014, 36, 1727-1737.	1.0	9
41	Profile of Stilbenes and Other Phenolics in Fanagoria White and Red Russian Wines. <i>Metabolites</i> , 2021, 11, 231.	1.3	8
42	The Bark of the Spruce <i>Picea jezoensis</i> Is a Rich Source of Stilbenes. <i>Metabolites</i> , 2021, 11, 714.	1.3	8
43	The Biodiversity of Grapevine Bacterial Endophytes of <i>Vitis amurensis</i> Rupr.. <i>Plants</i> , 2022, 11, 1128.	1.6	7
44	Exogenous dsRNA Induces RNA Interference of a Chalcone Synthase Gene in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 5325.	1.8	7
45	The effect of stress hormones, UV-C, and stilbene precursors on calmodulin (CaM) and calmodulin-like gene (CML) expression in <i>Vitis amurensis</i> Rupr. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 146, 59-68.	1.2	6
46	Effect of Calmodulin-like Gene (CML) Overexpression on Stilbene Biosynthesis in Cell Cultures of <i>Vitis amurensis</i> Rupr.. <i>Plants</i> , 2022, 11, 171.	1.6	6
47	The Specificity of Transgene Suppression in Plants by Exogenous dsRNA. <i>Plants</i> , 2022, 11, 715.	1.6	6
48	Exogenous Stilbenes Improved Tolerance of <i>Arabidopsis thaliana</i> to a Shock of Ultraviolet B Radiation. <i>Plants</i> , 2021, 10, 1282.	1.6	1